DEC 1 IN THE UNITED STATES PATENT & TRADEMARK OFFICE

KENNETH J. WIDDER PETER J. WESTKAEMPER

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Washington, D.C.

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Hon. Commissioner of Patents and Trademarks

20231

CONCENTRATED STABILIZED MICROBUBBLE-TYPE ULTRA SONIC IMAGING AGENT

Group Art Unit 125

Examiner: Albert T.

I hereby certify that this correspindence is being deposited with the United States Postal Service as first class mail in an anvalope at corred to: (Date of Deposit)

Kathleen Smith Name of suplicant and such

sir:

RESPONSE TO OFFICE ACTION

This is a response to the Office Action of September 15, setting a 3-month response date of December 15.

Cancel claims 1 to 10 without prejudice for purpose of rewriting, and substitute the following claims:

A concentrated, storable ultrasonic imaging agent, comprising an aqueous parenteral medium containing a dispersion of microspheres predominately of diameters less than 10 microns, said microspheres consisting of gas microbubbles enclosed by solid walls formed from heat-insolubilized biocompatible material, said imaging agent having a homogeneously dispersed concentration of greater than 1 x 10° microspheres per milliliter, said microspheres being stable in said medium as evidenced by maintaining a concentration of greater than 1 x 10° microspheres per milliliter for over 4 weeks at a temperature of 20 to 25C.

12. The imaging agent of claim 12 in which said biocompatible material is a heat sensitive protein.

The imaging agent of claims II or 12 in which at least 80% of said microspheres have diameters in the range from 1 to 9 microns.